of Beirut

AMERICAN UNIVERSITY OBSERVATORY

MONTHLY BULLETIN

METEOROLOGICAL SECTION

LIBRARY
DEC 30 1960
WEATHER BUREAU

FRANS BRUIN : DIRECTOR

HALIM HOURANI : OBSERVER

BEIRUT, LEBANON

Latitude : 33° 54' 22" N.

Longitude : 2^h 21^m 52^s . 7 E.

October 1960

Jourdy Press — Tel. : 43010

OCTOBER 1960

METEOROLOGICAL REGISTER

Date	Barometer reduced to O°C Sea level and 45° Latitude 700 mm. †...				Thermometer Degrees Centigrade					
	8:30	41:30	20:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	62.9	61.8	62.0	62.2	26.7	22.2	23.9	25.6	24.9	24.8
2	61.9	61.7	60.6	61.4	27.4	22.7	25.7	26.0	24.6	25.4
3	60.8	59.3	59.6	59.9	27.1	21.3	24.3	26.2	23.5	24.7
4	60.1	59.1	59.5	59.6	28.4	21.2	23.8	27.3	23.5	24.9
5	59.9	59.0	58.9	59.3	29.3	21.9	24.0	28.4	24.5	25.6
6	60.6	60.7	61.1	60.8	26.8	20.1	23.7	25.8	22.5	24.0
7	61.9	61.0	61.0	61.3	25.5	21.0	22.4	24.9	23.3	23.5
8	61.5	60.7	61.7	61.3	67.6	22.3	23.4	26.5	22.6	24.2
9	62.5	62.1	62.6	62.4	29.2	22.5	25.5	28.5	24.2	26.1
10	63.2	62.6	62.7	62.8	29.0	21.2	25.2	27.8	23.4	25.5
11	62.7	61.4	61.3	61.8	26.0	20.7	23.3	25.0	22.4	23.6
12	61.5	60.4	60.9	60.9	27.2	21.6	23.0	25.8	24.6	24.5
13	61.9	61.6	62.5	62.0	27.1	21.9	24.1	25.8	23.8	24.6
14	63.9	62.9	64.0	63.6	29.5	23.0	25.0	28.2	25.0	26.1
15	64.5	63.1	62.9	63.5	28.7	22.7	25.4	27.0	24.1	25.5
16	62.4	61.2	61.6	61.7	27.0	21.6	24.5	26.6	23.3	24.8
17	61.7	60.5	60.7	61.0	26.3	21.6	23.5	25.3	24.0	24.3
18	60.2	58.2	57.6	58.7	26.7	22.5	23.5	25.5	24.0	24.3
19	58.1	57.9	59.2	58.4	28.1	18.7	24.0	27.5	23.4	25.0
20	62.0	62.5	64.0	62.8	36.3	20.2	22.8	24.6	21.5	23.0
21	65.4	64.8	64.9	65.0	24.5	19.0	22.2	23.9	22.4	22.8
22	64.4	63.0	63.1	63.5	24.9	20.3	21.4	24.5	24.0	23.3
23	64.3	63.7	64.0	64.0	26.1	21.0	22.8	25.6	23.2	23.4
24	64.7	64.0	64.1	64.3	26.2	20.6	23.1	25.0	22.6	23.6
25	63.7	62.6	62.5	62.9	25.7	20.5	22.4	24.8	23.0	23.4
26	62.3	61.0	60.9	61.4	26.5	22.3	23.2	25.7	22.5	23.8
27	61.4	69.9	60.6	60.6	30.5	21.6	27.4	28.7	24.5	26.9
28	62.7	62.0	62.3	62.3	28.3	21.4	23.3	27.0	23.0	24.4
29	62.1	63.4	61.6	62.4	28.1	21.5	23.4	25.5	23.4	24.1
30	61.7	60.0	61.1	60.9	27.0	23.7	24.8	25.1	23.7	24.5
31	61.3	60.4	61.0	60.9	29.8	21.2	25.3	28.0	23.5	25.6
	62.20	61.37	61.63	61.73	27.34	21.42	23.88	26.20	23.51	24.54

Barometer, range 765.4 mm – 757.6 mm
" " 71-yrs. average 761.31 mm
Thermometer, range 30.5°C – 18.7°C
" " 82-yrs. average 23.8°C
Rain, total for month 28.75mm
" " 82-yrs. average for month 47.2 mm
" " total from Sept, 1 49.09 mm
" " 82-yrs. average from Sept. 1 53.83 mm

OCTOBER 1960
METEOROLOGICAL REGISTRE

Date	Pressure of Water Vapour Millibars				Relative Humidity per cent.				sun.	Wind per day	Rain
	8 30	14:30	20.30	Mean	8:30	14:30	20:30	Mean	Hrs.	Kmsr	m. m.
1	16.5	23.6	24.4	21.5	56	72	78	69	9.4	126	
2	20.8	24.7	25.9	23.8	63	73	84	73	9.6	188	
3	19.7	23.1	22.9	21.9	65	67	78	70	9.6	116	
4	21.7	23.9	23.3	23.0	74	66	80	73	9.4	40	
5	21.0	26.2	24.5	23.9	71	68	79	73	9.1	113	
6	19.7	15.2	17.2	17.4	68	45	63	59	9.4	103	9.11
7	12.3	15.3	17.9	15.2	45	49	63	52	9.7	61	
8	16.8	22.8	20.5	20.0	58	65	75	66	9.0	29	
9	22.6	22.3	22.3	22.4	69	57	74	67	8.6	97	
10	20.1	21.2	20.7	20.7	63	57	71	64	8.9	66	
11	15.8	19.8	20.8	18.8	55	63	76	65	9.3	95	
12	17.9	19.6	22.0	19.8	64	59	72	65	9.1	47	
13	19.0	21.9	24.1	21.7	64	66	82	72	8.9	66	
14	20.3	20.4	26.2	22.3	64	53	83	67	8.8	37	
15	23.7	28.0	26.1	25.9	73	79	87	80	9.4	32	
16	25.0	26.5	24.5	25.3	81	77	86	81	10.3	23	
17	23.6	24.1	25.4	24.4	81	75	85	80	10.3	39	
18	21.8	21.0	24.9	22.6	75	64	83	74	7.4	68	
19	23.4	23.2	22.9	23.2	79	63	77	73	10.0	188	
20	17.6	15.7	16.0	16.4	64	51	62	59	7.6	167	19.64
21	14.9	15.3	16.1	15.4	55	52	59	55	10.4	98	
22	15.9	17.5	20.1	17.8	62	56	68	62	10.4	127	
23	17.6	20.0	23.2	20.3	64	62	81	69	10.1	60	
24	19.7	20.3	23.7	21.0	70	64	86	73	10.0	55	
25	19.3	22.8	24.3	22.1	71	73	86	77	10.2	39	
26	22.3	22.7	23.0	22.7	78	69	84	77	7.3	6	
27	13.5	12.0	25.7	17.1	36	30	83	50	5.5	24	
28	21.0	19.5	25.1	21.9	73	54	89	72	10.0	71	
29	16.4	24.2	26.3	22.3	56	74	91	74	8.4	8	
30	21.8	23.0	18.7	21.2	70	72	64	69	4.1	6	
31	13.4	22.0	20.5	18.6	41	58	71	57	7.7	32	
	19.20	22.94	22.55	20.99	64.8	62.3	77.4	68.2	8.96	71.84	0.93

Height of Barometer above sea level : 33.7 meters.
Height of Thermometers above ground :
Dry and wet 1·25 m. ; Max. 1.30 m. ; Min. 1.50 m.
Hygrometric data from readings of wet and dry bulb thermometers exposed in a Stevenson screen, reduced according to M. O. 265.
Rim of Rain Gauge : above ground 0.66 m. ; above sea level 30.31 m.
Rainfall is read at 20:30 for the preceding 24 hours.
71 year averages are for period, 1875 - 1943

OCTOBER 1960
METEOROLOGICAL REGISTER

Date	Clouds clear—0 Overcast—10				beaufort, scale Direction and force of wind			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30		
1	0	5cu-ni	2cu-ci	2.3	2ne	3ne	3ne	slight	
2	0	0	0	0.0	1ne	3ne	2ne	,,	D; p.m.
3	0	0	0	0.0	3ne	3ne	0	light	D; p.m.
4	0	0	0	0.0	2sw	2w	0	,,	D; o.m.
5	0	7cu-st	0	2.3	2sw	3sw	2sw	,,	D; p.m.
6	0	0	0	0.0	1nw	3ne	1ne	light	
7	0	0	0	0.0	1se	3ne	1ne	,,	
8	0	0	0	0.0	2e	1w	0	,,	D; p.m.
9	2st-cu	5cu-st	8cu-st	5.0	3sw	2sw	0	,,	
10	1cu	3cu	0	1.3	3sw	3w	0	,,	
11	0	0	0	0.0	2ne	3ne	1ne	light	D; p.m.
12	0	0	0	0.0	1ne	3ne	3ne	,,	
13	0	0	0	0.0	2ne	3ne	0	,,	D; p.m.
14	0	0	0	0.0	3ne	2ne	0	,,	D; p.m.
15	4ci	8ci	0	4.0	1ne	2ne	0	,,	D; p.m.
16	1st	1st	0	0.7	1ne	2ne	0	light	D; a.m.p.m.
17	0	0	0	0.0	2nw	3ne	3ne	,,	D; a.m' p.m.
18	2ci	10ci-st	0	4.0	3sw	3ne	3sw	,,	D; a.m. p.m.
19	0	0	0	0.0	3sw	3sw	2sw	,,	
20	4cu	8cu-st	4cu	5.3	4sw	3sw	0	,,	T; p.m.
21	0	0	0	0.0	2ne	3ne	3ne	light	Good, visibility
22	0	0	0	0.0	2ne	3ne	4ne	slight	
23	1st	2st	0	1.0	1ne	2ne	0	light	
24	0	0	0	0.0	1ne	3ne	0	,,	D; a.m. p.m.
25	0	0	0	0.0	2ne	3ne	0	,,	D; a.m. pm.
26	8ci	10ci-st	8ci-st	8.7	3ne	2ne	0	light	D; a.m. p.m.
27	9ci	10ci-st	5ci-st	8.0	1sw	2ne	3sw	,,	D; p.m.
28	0	0	0	0.0	2sw	1ne	1ne	,,	D; a.m. p.m.
29	0	7ci-st	5ci-st	4.0	1sw	1ne	1ne	,,	D; a.m. p.m.
30	9ci-st	10st	7ci-st	8.7	1ne	2ne	0	,,	
31	6ci	0	0	2.0	1w	2sw	1sw	,,	
				1.85					

Abbreviation : G = gale ; H = haze ; M = mist ; T = Thunderstorm ; D – dew
W = strong wind ; Tr = trace of rain

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm	Total
8:30	0	16	1	1	0	10	1	2	0	31
14:30	0	23	0	0	0	5	3	0	0	31
20:30	0	11	0	0	0	5	0	0	15	31
Total	0	50	1	1	0	20	4	2	15	93

Number of days with rain 2, fog 0, thunderstorm 1, gale. 0
71-yrs. average number of days with rain during month 3.84
Time of reading minus 2 hours equals G.C.T